



December 15, 2015

Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
Compliance and Enforcement Unit  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11<sup>th</sup> Floor  
Nashville, TN 37243

*RE:* 2015 Storm Water Monitoring Report, BFI Waste Systems of Tennessee, Inc.  
Middle Point Landfill, Permit #TNR053250

Dear Sir or Madam:

Please find enclosed the complete Tennessee Multi-Sector General Permit Storm Water Monitoring Reports for the BFI-Middle Point Landfill. This report serves as the 2015 Annual Report. Included with this report are the chain of custody, laboratory results, and the storm water monitoring report forms.

The November 18, 2015 sample results do not show any significant concentrations above background and the results are consistent with the storm water monitoring results and overall water quality demonstrated over the past several years. Due to historical changes in the topography at the landfill, Sediment Pond 1 storm water continues to remain within the surrounding soil berm without discharging to the East Fork of the Stones River. Therefore, no storm water discharge sample could be collected from Sediment Pond 1 (Outfall 1) in 2015.

The Sediment Pond 2 (Outfall 2) sample showed a slight reduction in reported concentrations of aluminum and Magnesium. Aluminum continues to be below the benchmark concentration.

TSS saw a slight increase from 6.0 to 13.3 mg/L and continues to remain below the associated benchmark concentration. Iron increased slightly from 0.17 to 0.178 mg/L and remains well below the benchmark concentration.

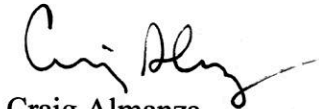
While Magnesium decreased slightly, the result remains slightly above the respective benchmark concentration. Magnesium is a naturally occurring metal, commonly found in the surrounding residual clay soil and dolomitic bedrock underlying the facility. Therefore, it is BFI's contention that the elevated magnesium concentration continues to be a result of naturally occurring magnesium that has been dissolved from the soils and bedrock by storm water flows and not a suspended solid contaminant since the TSS value is so low.

Sediment Pond 3(Outfall 3) is a new storm water retention pond and the last remaining pond to be built per the Solid Waste Permit. During the storm event, storm water did not fill the pond to a height capable of flowing out of the outfall device to discharge to the East Fork of the Stones River. Therefore, no storm water discharge sample could be collected from Sediment Pond 3 (Outfall 3) during this event, should a sample be able to be collected before the end of 2015 it will be submitted under a separate letter.

The Best Management Practices (BMPs) in place at Middle Point Landfill will continue to be reviewed and modified as necessary to assist in reducing runoff concentrations of the monitored parameters.

Should you have any comments or questions, please feel free to contact me at 615-896-2075.

Sincerely,

A handwritten signature in black ink, appearing to read 'Craig Almanza', with a horizontal line extending from the end of the signature.

Craig Almanza  
Environmental Manager

cc: TDEC – Nashville Environmental Assistance Center



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)**

Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor,  
Nashville, Tennessee 37243, 1-888-891-TDEC (8332)

**Annual Stormwater Monitoring Report for Stormwater Discharges Associated with Industrial Activities  
under the Tennessee Multi-Sector General NPDES Permit (TMSP)**

Facility Name:	Middle Point Landfill	TMSP Number:	TNR053250
Contact Person:	Craig Almanza	Phone Number:	615-896-2075
This report is submitted for the following calendar year (e.g. 2013):	2015	Outfall Number:	Outfall 1
List all TMSP sectors which apply to discharge from this outfall:	L	Sample Date:	No Flow
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
<b>Parameters:</b>			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	No Flow	Magnesium, Total	0.064	No Flow
Ammonia	4.0		Mercury, Total	0.0024	
Arsenic, Total	0.15		Nickel, Total	0.875	
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0021		Oil and Grease	15	
Chromium, Total	1.8		pH	5.0-9.0	
COD	120		Phenols	0.016	
Copper, Total	0.018		Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.022		Selenium, Total	0.005	
Fluoride	1.8		Silver, Total	0.0038	
Iron, Total	5.0	No Flow	Total Suspended Solids (TSS)	150	No Flow
Lead, Total	0.156		Zinc, Total	0.395	

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

**Craig Almanza****Environmental Manager****12-15-15**

Permittee name (print or type)

Official Title

Signature

Date

**INSTRUCTIONS**

1. The purpose of this form is to report stormwater monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://www.tn.gov/environment/permits/tmsp.shtml>) Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2013 calendar year is due by March 31, 2014.

2. If the results of annual stormwater runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division's local Environmental Field Office (EFO) in writing within 30 days from the time stormwater monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time stormwater monitoring results were received, the facility must review its stormwater pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).

3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

**Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records. Submit the original completed and signed form to: Compliance & Enforcement Unit, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243 or you may submit the report electronically to: [DWRWater.Compliance@tn.gov](mailto:DWRWater.Compliance@tn.gov)**





**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)**  
Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor,  
Nashville, Tennessee 37243, 1-888-891-TDEC (8332)  
**Annual Stormwater Monitoring Report for Stormwater Discharges Associated with Industrial Activities**  
**under the Tennessee Multi-Sector General NPDES Permit (TMSP)**

Facility Name:	Middle Point Landfill	TMSP Number:	TNR053250
Contact Person:	Craig Almanza	Phone Number:	615-896-2075
This report is submitted for the following calendar year (e.g. 2013):	2015	Outfall Number:	Outfall 2
List all TMSP sectors which apply to discharge from this outfall:	L	Sample Date:	11/18/15
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
<b>Parameters:</b>			

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Aluminum, Total	0.75	<0.200	Magnesium, Total	0.064	7.65
Ammonia	4.0		Mercury, Total	0.0024	
Arsenic, Total	0.15		Nickel, Total	0.875	
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0021		Oil and Grease	15	
Chromium, Total	1.8		pH	5.0-9.0	
COD	120		Phenols	0.016	
Copper, Total	0.018		Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.022		Selenium, Total	0.005	
Fluoride	1.8		Silver, Total	0.0038	
Iron, Total	5.0	0.178	Total Suspended Solids (TSS)	150	13.3
Lead, Total	0.156		Zinc, Total	0.395	

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I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

<u>Craig Almanza</u>	<u>Env. Mgr.</u>	<u>Craig Almanza</u>	<u>12-15-15</u>
Permittee name (print or type)	Official Title	Signature	Date

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Contact Person:	Craig Almanza	Phone Number:	615-896-2075
This report is submitted for the following calendar year (e.g. 2013):	2015	Outfall Number:	Outfall 3
List all TMSP sectors which apply to discharge from this outfall:	L	Sample Date:	No Flow
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